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(54) Title: TYRE-INFLATION METHOD, AND DEVICE AND MACHINE FOR IMPLEMENTING THE
METHOD

(57) Abstract: The method consists in adjusting the pressure of a tyre (5)
according to a corrected set value P_{cc} calculated using formula (I), wherein P_c is
a set value recommended by a car manufacturer and a tyre producer, T_p is the
temperature of the tyre (5) supplied by a temperature sensor installed in the
tyre, and T_{ref} is a variable reference temperature which is selected as being the
lowest temperature from the instantaneous ambient temperature measured (at 37) at
the site of the inflating machine (2) and a calculated mean value of the ambient
temperature, the pressures P_c and P_{cc} being in absolute value and the temperatures
 T_p and T_{ref} being in degrees K.

36 DISPLAY
29 COMPRESSOR
19A TRANSMITTER
19B RECEIVER
37 TEMPERATURE SENSOR
18 MEMORY
30 KEYBOARD
38 ATMOSPHERIC PRESSURE SENSOR

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